AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Previously Presented): A system for communicating medical information, comprising: a medical device installed with a version of software; and

a software agent communicatively coupled to the medical device for interacting with the medical device, wherein the software agent interacts with the medical device irrespective of correspondence with the version of software installed on the medical device, the software agent accessing a directory in the medical device to invoke one or more objects having well-known names in the directory and thereby access information in the medical device.

Claim 2 (Previously Presented): The system of claim 1, wherein the information includes medical information.

Claim 3 (Canceled),

Claim 4 (Original): The system of claim 2, wherein the software agent interacts with the medical device by setting the medical information of the medical device.

Claim 5 (Original): The system of claim 2, wherein the software agent interacts with the medical device by retrieving the medical information from the medical device.

Claim 6 (Original): The system of claim 2, wherein the software agent interacts with the medical device by configuring the medical device.

651-735-1102

Claim 7 (Original): The system of claim 1, further comprising another software agent communicatively coupled to the software agent.

Claim 8 (Previously Presented): A system for communicating medical information, comprising: a medical device installed with a version of software; and

a software agent communicatively coupled to the medical device for interacting with the medical device, wherein the software agent interacts with the medical device irrespective of correspondence with the version of software installed on the medical device; and

another medical device installed with another version of software, the software agent being communicatively coupled to the another medical device without regard to the another version of software installed on the another medical device, and wherein the another medical device retrieves from the software agent the medical information that the software agent retrieves from the medical device.

Claim 9 (Original): The system of claim 1, further comprising an output device communicatively coupled to the software agent.

Claim 10 (Original): The system of claim 9, wherein the output device is selected from a group consisting of a printer, a waveform display, a video recorder, a debugging machine, a data card, a cell phone, a therapeutic device trainer, a modem, an ECG monitor, a personal computer, an alarm system, a voice storage system, a personal digital assistant, a service test system, and a manufacturing test system.

Claim 11 (Original): The system of claim 10, wherein the output device is communicatively coupled to the software agent via a wired local area network.

Claim 12 (Original): The system of claim 10, wherein the output device is communicatively coupled to the software agent via a wireless local area network.

10/29/2004 15:21 651-735-1102 SHUMAKER & SIEFFERT PAGE 06/17

Application Number 10/016,507 Amendment dated October 29, 2004 Responsive to Office Action mailed August 3, 2004

Claim 13 (Original): The system of claim 1, further comprising a data management system communicatively coupled to the software agent.

Claim 14 (Currently Amended): A system for communicating medical information, comprising: a therapeutic device for storing data and being installed with a version of software; a software agent to present a user interface to communicate with the therapeutic device; and

an interface for communicatively coupling the therapeutic device to the software agent irrespective of correspondence of the software agent to the version of software of the therapeutic device, the software agent accessing a directory in the therapeutic medical device to invoke one or more objects having well-known names in the directory and thereby access data in the therapeutic medical device, and the interface having a therapeutic portion that exposes data from the therapeutic device and a software agent portion that obtains the data so that the user interface is invoked upon receiving the data.

Claim 15 (Original): The system of claim 14, wherein the software agent includes a set of presentation tools that invoke the user interface.

Claim 16 (Previously Presented): The system of claim 15, the directory including a number of constructor objects and a number of activator objects, each constructor object being controllable from the set of presentation tools to query the therapeutic device for the data, and each activator object being controllable from the set of presentation tools to configure the therapeutic device.

Claim 17 (Previously Presented): The system of claim 16, wherein each object in the directory has one of the well-known names so that the software agent may use the well-known name of the object to invoke the object in the directory.

Claim 18 (Original): The system of claim 14, wherein the data obtained by the agent portion of the interface is structured in a language that contains the data and that describes the data using a number of textual tags.

Claim 19 (Canceled).

Claim 20 (Original): The system of claim 14, further comprising another therapeutic device communicatively coupled to the software agent, the another therapeutic device being reconfigurable by the software agent based on the data obtained from the therapeutic device by the software agent.

Claim 21 (Original): The system of claim 14, further comprising an output device communicatively coupled to the software agent.

Claim 22 (Original): The system of claim 21, wherein the output device is selected from a group consisting of a printer, a waveform display, a video recorder, a debugging machine, a data card, a cell phone, a therapeutic device trainer, a modern, an ECG monitor, a personal computer, an alarm system, a voice storage system, a personal digital assistant, a service test system, and a manufacturing test system.

Claim 23 (Original): The system of claim 22, wherein the output device is communicatively coupled to the software agent via a wired local area network.

Claim 24 (Original): The system of claim 22, wherein the output device is communicatively coupled to the software agent via a wireless local area network.

Claim 25 (Original): The system of claim 14, further comprising a data management system communicatively coupled to the software agent.

Claim 26 (Previously Presented): A system for remotely communicating with a medical device, comprising:

a defibrillator for storing data and being installed with a version of software; and a personal digital assistant being operative to communicate with the defibrillator to access the data irrespective of the software version of the defibrillator, the software agent accessing a directory in the medical device to invoke one or more objects having well-known names in the directory and thereby access the data in the medical device.

Claim 27 (Canceled).

Claim 28 (Original): The system of claim 26, wherein the personal digital assistant communicates with the defibrillator by setting data in the defibrillator.

Claim 29 (Original): The system of claim 26, wherein the personal digital assistant communicates with the defibrillator by retrieving data from the defibrillator.

Claim 30 (Original): The system of claim 26, wherein the personal digital assistant communicates with the defibrillator by configuring the data in the defibrillator.

Claim 31 (Previously Presented): A system for remotely communicating with a medical device, comprising:

a defibrillator for storing data and being installed with a version of software; and a personal digital assistant being operative to communicate with the defibrillator to access the data irrespective of correspondence to the software version of the defibrillator, and

another defibrillator installed with a software agent, the another defibrillator being communicatively coupled to the defibrillator via the software agent without regard to the version of software installed on the defibrillator, and wherein the another defibrillator retrieves from the defibrillator the medical information that is stored in the defibrillator.

Claim 32 (Previously Presented): The system of claim 26, wherein the defibrillator includes an interface that exposes the directory of objects, a number of objects referencing data relating to the configuration of the defibrillator, and a number of other objects referencing data relating to one or more patients treated by the defibrillator.

Claim 33 (Original): The system of claim 32, wherein each object in the directory is selected from a group consisting of an inbox, an outbox, device data, patient data, and a root directory.

Claim 34 (Previously Presented): The system of claim 32, wherein the personal digital assistant includes an interface allowing the receipt of the data structured in a language that contains the data and that describes the data through textual tags.

Claim 35 (Original): The system of claim 34, wherein the language includes Extensible Markup Language (XML), wherein data is structured as an XML element.

Claim 36 (Original): A medical device, comprising:

hardware to apply a therapy to a patient according to a set of therapeutic rules; one or more data storage devices for storing configuration data and patient data; and a common interface for exporting either the configuration data or the patient data, both the configuration data and the patient data being organized in one or more subdirectories of a directory.

Claim 37 (Original): The medical device of claim 36, wherein both the configuration data and the patient data are structured as objects in one or more subdirectories, wherein each object is formed in a language that contains both the configuration data and the patient data and that describes both the configuration data and the patient data using textual tags when the object is exported external to the medical device.

Claim 38 (Original): The medical device of claim 37, wherein a number of objects in one or more subdirectories are defined as constructors, wherein a number of other objects in one or more subdirectories are defined as activators, the constructor being invokable external to the medical device to query an object, the activator being invokable external to the medical device to change an object.

Claim 39 (Original): The medical device of claim 36, further comprising a piece of communication software that contains wired communication protocols and another piece of communication software that contains wireless communication protocols, the device session manager selectively interacting with one of the two pieces of communication software to communicate external to the medical device.

Claim 40 (Original): The medical device of claim 39, further comprising a device session manager for coordinating the interaction among the number of therapeutic rules, the configuration data, patient data, and one of the two pieces of communication software.

Claim 41 (Original): The medical device of claim 39, wherein the wired communication protocols include File Transfer Protocol (FTP), Transmission Control Protocol (TCP), Internet Protocol (IP), Lightweight Directory Access Protocol (LDAP), Simple Object Access Protocol (SOAP), Common Object Request Broker Architecture (CORBA) protocol, RS-232-C protocol, HyperLAN, and IEEE 802.x protocols, and wherein the wireless communication protocols include Object Exchange (OBEX) protocol, Infrared Data Association (IrDA) protocols, and Bluetooth protocols.

10/29/2004 15:21 651-735-1102 SHUMAKER & SIEFFERT PAGE 11/17

Application Number 10/016,507

Amendment dated October 29, 2004

Responsive to Office Action mailed August 3, 2004

Claim 42 (Previously Presented): A terminal for communicating with a medical device that stores data, the medical device being installed with a version of software, the terminal comprising:

a data storage device for storing a set of presentation tools;

a user interface being invokable by a presentation tool; and

an interface for importing data stored in the medical device and for allowing the user interface to configure the medical device irrespective of correspondence to the version of software of the medical device, wherein the interface exposes a directory of objects on the medical device so that each object can be accessed, each object referencing data relating to the medical device, and wherein the data to configure the medical device is structured in a language that contains the data and that describes the data through textual tags.

Claim 43 (Canceled).

Claim 44 (Original): The terminal of claim 43, wherein the language includes Extensible Markup Language (XML), wherein the data is structured as an XML element, and wherein upon receiving the data as an XML element, the set of presentation tools are invoked to present the user interface.

Claim 45 (Original): The terminal of claim 44, wherein the terminal includes a set of agent rules to determine which presentation tool is invoked when the XML element is received by the terminal.

Claim 46 (Original): The terminal of claim 45, further comprising a device session manager for coordinating the interaction among the set of presentation tools, the user interface, the interface, and the set of agent rules.

Claim 47 (Original): The terminal of claim 46, further comprising a piece of communication software that contains wired communication protocols and another piece of communication software that contains wireless communication protocols, the device session manager selectively interacting with one of the two pieces of communication software to communicate external to the terminal.

Claim 48 (Original): The terminal of claim 47, wherein the wired communication protocols include File Transfer Protocol (FTP), Transmission Control Protocol (TCP), Internet Protocol (IP), RS-232-C protocol, and IEEE 802.x protocols, and wherein the wireless communication protocols include Object Exchange (OBEX) protocol and Infrared Data Association (IrDA) protocols.

Claim 49 (Original): A method for communicating between a medical device and a terminal, comprising:

establishing a communication session between the medical device and the terminal by selecting a wired communication protocol or a wireless communication protocol;

exposing a directory of objects on the medical device so that each object can be accessed by the terminal, each object referencing data relating to the medical device; and

presenting a user interface component to configure the medical device when data is imported into the terminal, the data being structured in a language that contains the data and that describes the data.

Claim 50 (Original): The method of claim 49, wherein the act of exposing a directory of objects includes exposing objects that have well-known names so that each object can be accessed by the terminal using the well-known name of the object.

Claim 51 (Original): The method of claim 50, wherein the directory of objects includes activator objects, each activator object being controllable by the user interface component to configure the medical device.

Claim 52 (Original): The method of claim 50, wherein the directory of objects includes constructor objects, each constructor object being controllable by the user interface component to query the medical device for a piece of data.

Claim 53 (Original): The method of claim 49, wherein the method does not proceed in the order presented.

Claim 54 (Original): A medical device, comprising:

hardware to apply a therapy to a patient according to a set of therapeutic rules; one or more data storage devices for storing configuration data and patient data; and a processor for exposing a directory of objects having well-known names that may be used to invoke the objects external to the medical device, a set of objects being invokable to retrieve configuration data or the patient data, and another set of objects being invokable to change the configuration data so that the therapy to be applied to the patient is changed.

Claim 55 (Original): The medical device of claim 54, wherein each well-known name includes one or more letters.

Claim 56 (Original): The medical device of claim 54, wherein each well-known name includes one or more numbers.

Claim 57 (Original): The medical device of claim 54, wherein each well-known name includes one or more symbols.

Claim 58 (Original): The medical device of claim 54, wherein each well-known name is composed from a combination of letters, numbers, and symbols.

Claim 59 (Previously Presented): The system of claim 1, wherein the information is structured in a language that contains the data and that describes the data using a number of textual tags.

Claim 60 (Previously Presented): The system of claim 1, wherein the language includes Extensible Markup Language (XML). wherein data is structured as an XML element.

Claim 61 (Previously Presented): The system of claim 1, wherein each object is formed in a language that contains both configuration data and patient data and describes both the configuration data and the patient data using textual tags when the object is exported external to the medical device.

Claim 62 (Previously Presented): A system comprising:

a defibrillator having a memory storing objects relating to patient data and defibrillator configuration data; and

a device to communicate with the defibrillator to access the patient data and the defibrillator configuration data via the objects,

wherein the data is structured in a language that contains the data and describes the data through textual tags.

Claim 63 (Previously Presented): The system of claim 62, wherein the language includes Extensible Markup Language (XML), the data being structured as one or more XML elements.

Claim 64 (Previously Presented): The system of claim 62, further comprising a second defibrillator having a memory storing objects relating to patient data and defibrillator configuration data, wherein the device communicates with the second defibrillator to access the patient data and the defibrillator configuration data via the objects stored by the memory in the second defibrillator.